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### U.S. PATENT DOCUMENTS

Exam. Initial		Document Number	Date	Name	Class	Sub	Filing Date
mp	M AA	5,636,072	6/3/1997	Shibata, et al.		Class	
	AB	4,113,360	9/12/1978	Bauer, et al.	1	<b>-</b>	
4	AC	3,376,092	4/2/1968	Kushner, et al.		1	
$\perp$	AD	3,698,793	10/17/1972	Tellerman, J.			
1 M	AE	5,771,321	6/23/1998	Stern, E.			
WYN	AF AF	5,862,275	1/19/1999	Takeuchi, et al.			
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# FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub	T	<del> </del>	7
10.70540		Country		Class	I ranslation	Abstract	』.
10-78549	3/24/1998	Japan				<b></b>	#5
54-142089	11/5/1979	Japan					1
7-287176	10/31/1995	Japan			<del> </del>		1
0 408 305 B1	3/13/1996	Europe					1
0 675 477 A1	10/4/1995	Europe	6	1	<u> </u>		╢
	10-78549 54-142089 7-287176 0 408 305 B1	10-78549 3/24/1998 54-142089 11/5/1979 7-287176 10/31/1995 0 408 305 B1 3/13/1996	10-78549 3/24/1998 Japan 54-142089 11/5/1979 Japan 7-287176 10/31/1995 Japan 0 408 305 B1 3/13/1996 Europe	10-78549 3/24/1998 Japan 54-142089 11/5/1979 Japan 7-287176 10/31/1995 Japan 0 408 305 B1 3/13/1996 Europe	10-78549 3/24/1998 Japan 54-142089 11/5/1979 Japan 7-287176 10/31/1995 Japan 0 408 305 B1 3/13/1996 Europe	10-78549 3/24/1998 Japan 54-142089 11/5/1979 Japan 7-287176 10/31/1995 Japan 0 408 305 B1 3/13/1996 Europe	10-78549 3/24/1998 Japan 54-142089 11/5/1979 Japan 7-287176 10/31/1995 Japan 0 408 305 B1 3/13/1996 Europe 0 675 477 A1 10/4/1995 Europe

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages Etc.)

International Publication No. WO 98/19201, published May 7, 1998, Xeotron Corporation.
Much P. Mo Date Considered 8/14/02

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Form PTO 1449 US DEPARTMENT OF COMMERCE	Atty Docket No. 789_030	Serial No. 09/341151
PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSU	Applicant Yukihisa Takeuchi, et al.	
STATEMENT BY APPLICA	NT Filing Date July 1, 1999	Group 2874

#### **U.S. PATENT DOCUMENTS**

Exam Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
MAM	AM	2,565,514	8/28/1951	W. S. Pajes			0
	AN	2,997,922	8/29/1961	E. K. Kaprelian			
	AO	5,319,491 OPE	6/7/1994	Selbrede			
	AP	5,771,321 ( DEC 0 3 1999 5)	6/23/1998	Stern			
MPM	AQ	5,953,469	9/14/1999	Zhou			
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### FOREIGN PATENT DOCUMENTS

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Application Number 09/341,151 Filing Date July 1, 1999 First Named Inventor Yukithisa Takeuchi Art Unit 2874 Examiner Name Michael P. Mooney Confirmation No. 4816 Sheet 1 of 1 Attorney Docket No. 789_030  U.S. PATENT DOCUMENTS  Exam. Document Number Date Name Class Sub Class Filing Date  U.S. COPENDING APPLICATIONS  U.S. COPENDING APPLICATIONS	Form P	TO-144	9	7	~22	Complete JE Known										
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m PM	AW	5,774,257			6/30/1998		Shibata et al.						
mem	AX	6,028,978			2/22/2000		Take	Takeuchi et al.		4			
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